

Invention: Suction System With High Efficiency Suction Control Valve

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Abstract

An improved trachea suction system includes a suction catheter with a high efficiency suction control valve providing unobstructed fluid flow in its activated suction applied mode for removal of viscous secretions at a low level of applied input suction through the catheter. The valve also non-restrictive to air flow at the distal tip of the catheter. The valve ideally part of a closed tracheal suction system having a catheter isolator seal with a vortex action catheter cleaning chamber located in front of the isolator seal which takes advantage of the high efficiency characteristics of the suction control valve.

Related Applications

The inventor claims the full benefit of the following U.S. Provisional Patent

Applications: "Transverse Closed Tracheal Suction Device" filed February 5, 2001, application number 60/266,200; "Compact Closed Trahceal Suction Device" filed February 27, 2001, application number 60/271,481; and "High Efficiency Suction Control Valve" filed July 17, 2001, application number 60/305,774.